

INTERNATIONAL SEARCH REPORT

national application No.
PCT/CA2005/000359

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7): F01K 27/00, F17D 1/04, F01D 15/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(7): F01K, F17D, F01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)

Delphion and Canadian Patent Database; and search terms used: natural gas, turbine, turbo-expander, expen*, let down, electric*, generat*, heat exchanger, pre-heat*, preheat*, and pressure control station

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,167,692 B1 (GENERAL ELECTRIC CO.) 02 January 2001 (02-01-2001) Abstract; figures 1 and 2, column 1, line 15 to column 3, line 67; and claims 1 to 16	1 to 4
X	US 2003/0177785 A1 (EXXON MOBIL USPTREAM REASERCH COMPANY) 25 September 2003 (25-09-2003) Abstract; figures 2 to 4; paragraphs [0014] to [0016], [0034] to [0052]; and claims 1 to 40	1 to 3
X	EP 0 596 143 A1 (AKTIONERNOE OBSHCHESTVO "KRYOKOR") 11 May 1994 (11-05-1994) Abstract; figure 1; column 2, line 36 to column 3, line 42; and claims 1 and 2	1, 3 and 4

[] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

* Special categories of cited documents:	* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"B" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"C" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another claim or other special reason (as specified)	"E" document member of the same patent family
"D" document referring to an oral disclosure, use, exhibition or other means	
"F" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

30 May 2005 (30-05-2005)

Date of mailing of the international search report

30 June 2005 (30-06-2005)

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Information on patent family members

Inventor's application No.
PCT/CA2005/000359

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
US6167692	02-01-2001	US6233916 B1	22-05-2001
US2003177785	09-25-2003	AU2003214242 A1 EP1490639 A1 US6751985 B2 WO03081154 A1	08-10-2003 29-12-2004 22-06-2004 02-10-2003
EP0596143	11-05-1994	RU2009389 C1 US5425230 A WO9324784 A1 WO9324785 A1	15-03-1994 20-06-1995 09-12-1993 09-12-1993